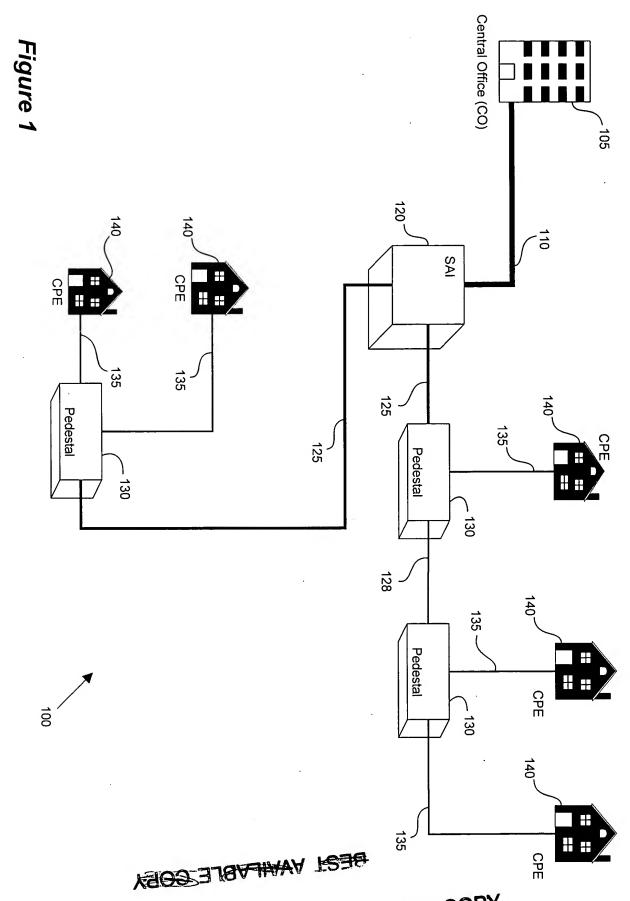
Title: HIGH SPEED MULTIPLE LOOP DSL SYSTEM Inventor: John M. Cioffi Atty. Docket 0101-p05 Sheet 1 of 8 Express Mail No. EU527446435US



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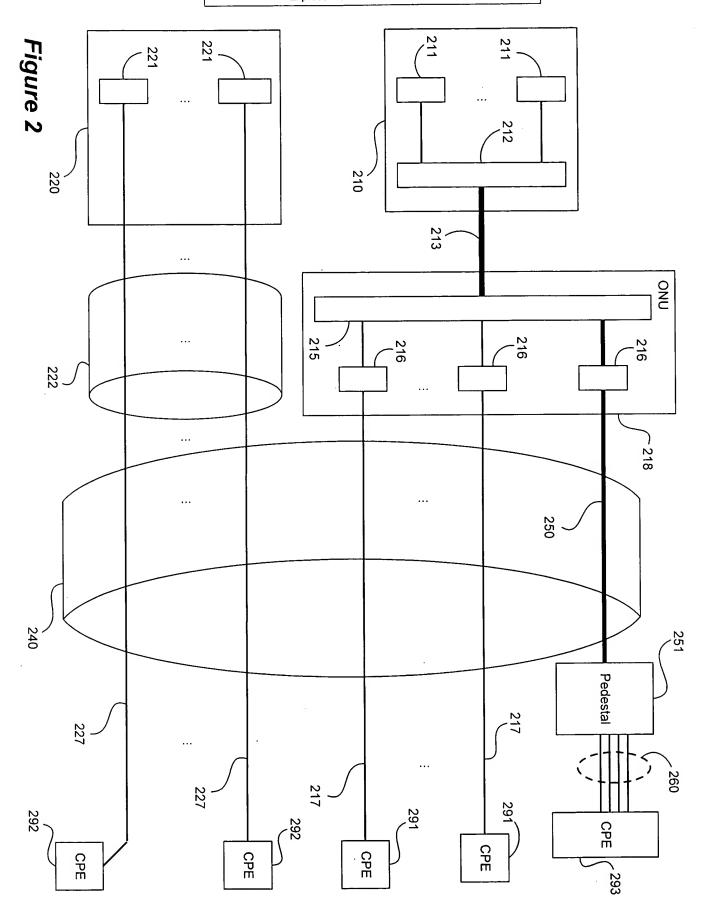
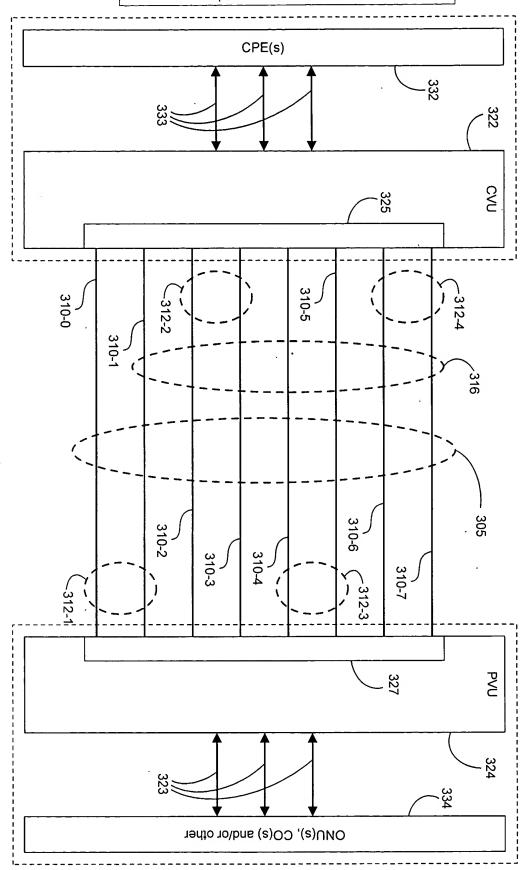
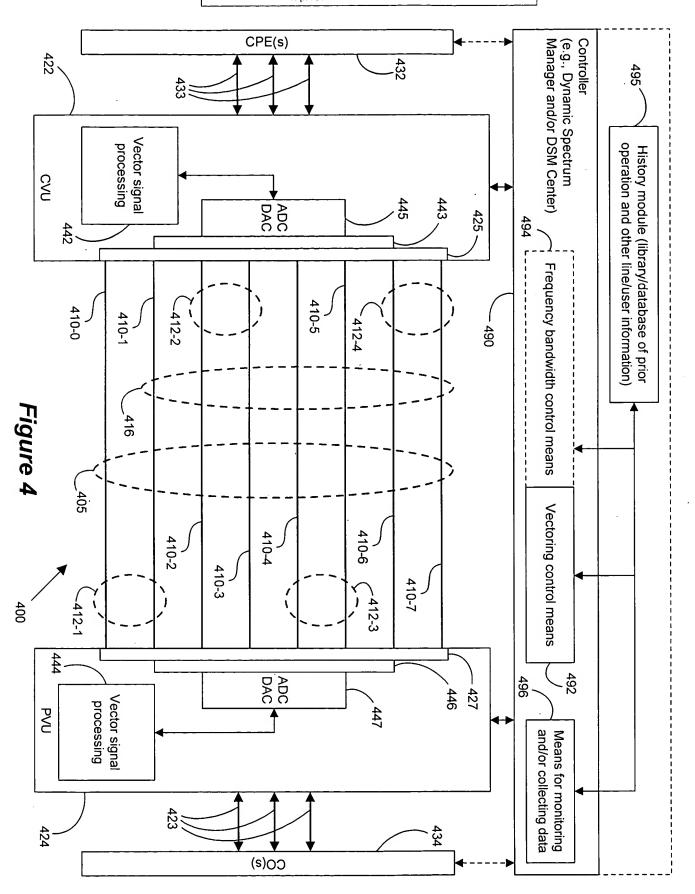


Figure 3

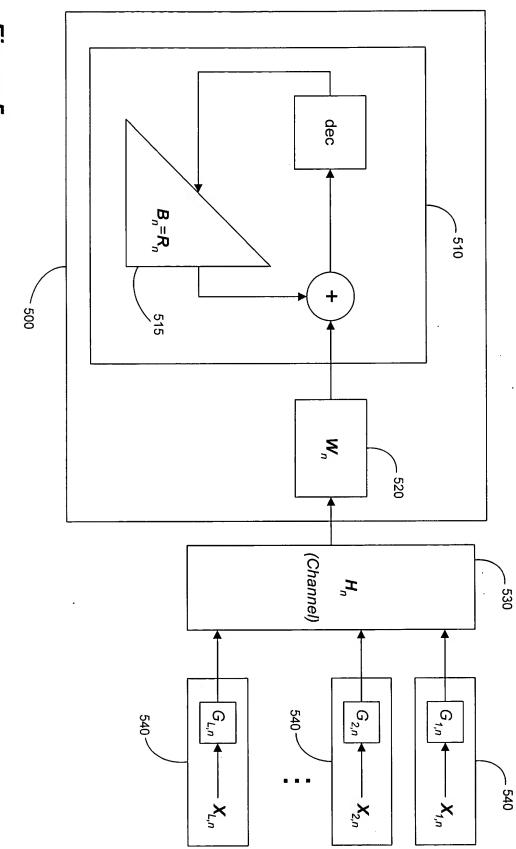


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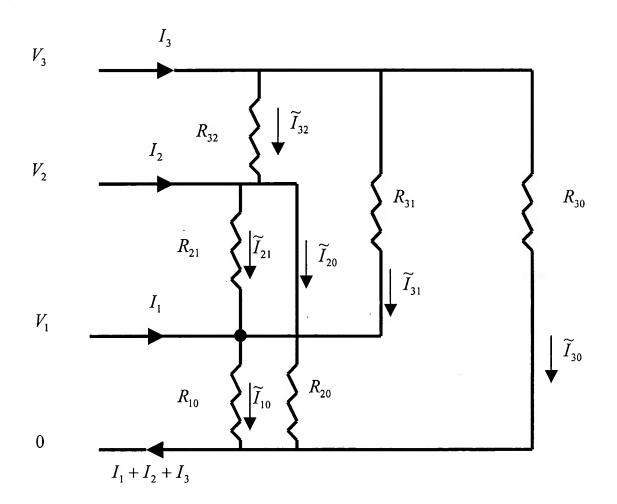


Figure 6

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Using 8192 tones

Using 4096 tones

7x7 Channel		7x7 Channel	
Line length	Speed	Line length	<u>Speed</u>
50 m 100 m	3379.456 Mbps 3292.700 Mbps	50 m 100 m	1694.620 Mbps 1693.324 Mbps
150 m	3086.508 Mbps	150 m	1684.680 Mbps
200 m 250 m	2860.460 Mbps 2622.604 Mbps	200 m 250 m	1626.964 Mbps 1556.748 Mbps
300 m	2430.580 Mbps	300 m	1481.112 Mbps
4x4 Channel		4x4 Channel	
Line length	Speed	Line length	Speed
	Speed 1835.644 Mbps 1851.464 Mbps 1831.016 Mbps 1714.832 Mbps 1555.568 Mbps 1389.960 Mbps		Speed 927.272 Mbps 934.376 Mbps 939.040 Mbps 938.220 Mbps 934.188 Mbps 901.836 Mbps

Figure 7

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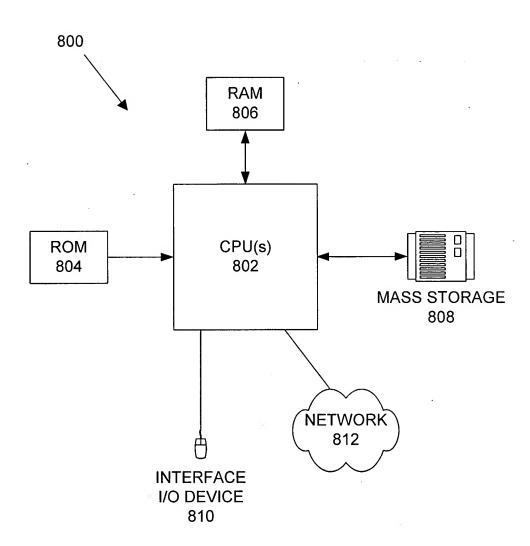


Figure 8